

2800 Quebec Street, N. W. Apt. 1217 Washington S. D. G.

29 December 1952

Professor J. Allen Hynek Graduate School The Ohio State University Columbia 10, Ohio

Dear Professor Hyneks

Thank you very much indeed for your latter of 23 December confirming the astronomical calculations transmitted earlier by telephone. We are in agreement with your findings and appreciate your nacistance in this nather.

It was a pleasure to renew our acquaintence at Dayton and to learn of your consultant work. I hope that we shall see you again in the not too distant future.

With best wishes for the coming year,

Cordially yours,

A. A. State of

H. Harshall Chadwoll

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THE OHIO STATE UNIVERSITY House L. Bres, Preident COLUMBUS 10

December 23, 1952

Dr. H. M. Chadwell Apt. 1217 2800 Quebec Street, N. W. · Washington 8, D. C.

Dear Dr. Chadwell:

In pursuance of our telephone conversation of the other day, and in accordance with your request, I am confirming In writing the results I transmitted to you over the phone.

It is well known that in theodolite observations, elevations can be generally obtained more accurately than the azimuths since the formal charge of the first and the first and the first and the first and upon a determination. The first morth, Since most the dollate observers are interested in relative rates and not in absolute positions, it is no surprise that they do not pay too much attention to the exact determination of their zero points. Further, it is quite easy for even an observer of some experience to make an error in reading of some multiple of whole degrees. The observation made at Limestone, therefore, can very well be assumed to have both a zero point error and an incorrect scale reading.

At the mean time of observation, calculations made at the observatory here show that Juster had, at Presque Isle, an azimuth of 163° and an elevation of 58.5°. This alone is if sufazimuth or 103° and an elevation or 30.3°. This allows is a sur-labelently allows to the mean of the reading from two studies. Allowers, the clinching agreement comes when one compares Jupiter. However, the clinching agreement comes when one compares Jupiter's rate of notion in slewation and azimuth during the observation and the rates noted on the theodolite, at Fresque Isle. The optical compares the compared to the pured increment in elevations of the corresponding and the corresp

Wishing you the very best greetings of the season, I remain.

J. Allen Hynck

Sincerely yours,

Assistant Dean ant Professor of Astrones

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